

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 63-287730

(43)Date of publication of application : 24.11.1988

(51)Int.Cl.

A61K 47/00

(21)Application number : 62-121336

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(22)Date of filing : 20.05.1987

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SANO SADANORI(54) PERCUTANEOUS ABSORPTION PROMOTER AND SKIN EXTERNAL PREPARATION  
CONTAINING SAID PROMOTER

(57)Abstract:

PURPOSE: To obtain the titled promoter comprising polyethylenimine and/or a derivative thereof as an active ingredient.

CONSTITUTION: A percutaneous absorption agent containing a polyethylenimine derivative [e.g. having one or more of units shown by formula I (R is H, straight-chain, branched-chain or cyclic aliphatic hydrocarbon or aromatic hydro carbon group which may contain 1W30 unsaturated group), formula II and formula III] as an active ingredient. A skin external preparation containing the percutaneous absorption agent and a medical component (e.g. steroid anti-inflammatory drug such as prednisolone or dexamethasone or nonsteroid anti-inflammatory drug such as indomethacin). Since PEI and/or a derivative thereof can be freely adjusted corresponding to the demand of hydrophilic-lipophilic balance, materials are extremely readily selected. The external preparation has a good feeling in use and excellent medicinal effects.

